FORTY-SECOND

ANNUAL REPORT

OF THE

MECHANICS' INSTITUTE

FOR THE

YEAR ENDING FEBRUARY 28, 1897

SAN FRANCISCO, CAL.
1897

PRESIDENTS OF THE INSTITUTE

FROM ITS ORGANIZATION

1855 —Benjamin Heywood
1855 —John Sime
1856 —R. Matheson
1857-58—John Sime
1859 —George Cofran
1860 —Thomas Tennent
1861 —John P. Buckley
1862 —B. H. Freeman
1863-64—Joseph Britton
1865 —Charles M. Plum
1866 —H. J. Booth
1867 —George K. Gluyas
1868-77—Andrew S. Hallidie
1878-79—Irving M. Scott
1880-88—P. B. Cornwall
1889-91—David Kerr
1892-93—Irwin C. Stump
1893-94—A. S. Hallidie
1894-95—A. S. Hallidie
1895-96—A. S. Hallidie
1896-97—Ernst A. Denicke

OFFICERS

Board of Trustees 1896–'97

ERNST A. DENICKE.....President
RODNEY KENDRICK.....Vice-President
E. P. HEALD.....Recording Secretary
P. J. HEALY.....Corresponding Secretary

GROVE P. AYERS	E. H. COLE
R. P. DOOLAN	FERDINAND FORMHALS
HOWARD C. HOLMES	JOSEPH LEGGETT
OSCAR LEWIS	GEORGE R. PRESSON
HENRY ROOT	GEO. H. WALLIS

FIRST NATIONAL BANK, S. F.....Treasurer
JOSEPH M. CUMMING, Secretary

Standing Committees

Finance.....AYERS, HOLMES, PRESSON
Library, Rooms and Building.....HOLMES, COLE, ROOT
Books and Donations.....LEGGETT, WALLIS, HEALY
Lectures and Classes.....DOOLAN, LEWIS, ROOT
Printing and Advertising.....PRESSON, FORMHALS, LEWIS
Pavilion.....DOOLAN, AYERS, HOLMES
Employees.....KENDRICK, HEALD, DENICKE
Machinery.....COLE, HOLMES, ROOT
Art.....HEALD, KENDRICK, COLE
Exhibits.....AYERS, COLE, KENDRICK
Tickets and Admission.....HEALY, HEALD, DOOLAN
Music and Decoration.....KENDRICK, FORMHALS, PRESSON
Management.....LEWIS, PRESSON, HEALY

The President is *ex-officio* member of all Committees

LIBRARY

31 POST STREET

A. M. JELLISON.....Librarian
F. B. GRAVES.....Assistant Librarian

ASSISTANTS.

J. H. WOOD — R. D. COLQUHOUN
W. R. WILLIAMS — MRS. M. E. SOUTHWORTH
W. H. WOOLCOCK — JAMES REDPATH

JANITORS

F. E. HARRIS — J. CITRON

PRESIDENT'S REPORT.

To the Members of the Mechanics' Institute:

It had been my intention to make a lengthy and exhaustive report to you of the growth and development of the Institute from its inception in 1854 to the present day, but I found my predecessor, Mr. A. S. Hallidie, who has himself been so important a factor in such growth and development had so thoroughly covered the ground, in his last presidential report, that I decided to confine myself to a brief narrative of the principal events which have happened during my term of office, together with such suggestions relative to the future government of the Institute that have occurred to me during the past year.

Our sphere of usefulness is so extensive, increasing as it does year by year with the growth of San Francisco, that it appears hopeless to expect to cover it perfectly or even to our own satisfaction, yet I feel that during the year that I have had the honor of being your president, we have made a good showing and have progressed satisfactorily upon the broad lines laid down by those liberal and public spirited men who, on the 11th of December, 1854, inaugurated the Mechanics' Institute of this city and that, as President David Kerr said in his report of 1892 "manfully and in business fashion you have paid one hundred cents on the dollar for everything you needed—you have given, and are giving now, to the public the greatest amount of benefit at the least possible cost to them."

It has been the constant endeavor of each retiring administration to show that it has met consistently and with proper economy, the ever increasing demands made upon the Institute by the public in this era of astounding activity in education, and especially mechanical and scientific education.

While these demands may be said to have been fairly met,

it has been a hard struggle to do so, and from the very nature of the requirements, growing as they do day by day more exacting, the struggle is bound to grow harder still. This demonstrates the necessity, if the Institute is to fulfill its destiny, in the future, as it has in the past, as a great educational factor in this community, that a great increase in financial and other resources is absolutely necessary, as well as renewed efforts to simplify and improve the working machinery of our government, so as to insure the greatest results from such resources as we may have at our command. In order to achieve success in the future let me exhort you to be united in your efforts in behalf of the Institute, and to exhibit to the world at large, yes, and to each other, an increased degree of interest and of esprit de corps in your relations towards our society.

A GENERAL SUPERINTENDENT.

It appears to me that to properly husband our resources and carry on our business with the greatest economy, a general Superintendent is badly needed. Do not think for one moment that I undervalue the faithful and disinterested work done by the members of our Board of Trustees, on the contrary, nobody can place a higher value upon their services in the various committees than I do. I am perfectly aware that the success in its efforts attained by the Institute is almost entirely due to the gratuitous services given by them, but it must be remembered that these gentlemen have their private business to attend to, and that therefore there must be some limit to the time they are able to devote to their duties in our service. Besides this, experience has shown that business management by committees, even under the most favorable circumstances, has never equalled in utility and economy, personal management by a superintendent whose position depends upon the success of his services. Let us take the University of California as an example. When I was first a member of the Board of Regents I was convinced that the various departments of the buildings and grounds including botanical gardening and field

work of the University could be better managed under the control of a suitable superintendent than under the then various heads of supervision. Acting upon this conviction I wrote to every University in the country asking information as to management, etc. The result was that in the majority of cases a superintendent of some kind was employed who was answerable to higher authorities for his acts, and that such a mode of management was satisfactory. Let me read you a few quotations from some of the letters received bearing directly upon this question.

F. T. Guild, Registrar of Brown University, Providence, said, "That the management of the buildings and grounds of the University and the supervision of janitors, etc., are at Brown under the immediate supervision of a steward, to whom is delegated authority to hire and discharge servants, and to make all necessary arrangements for keeping the grounds and buildings in proper order and repair. The financial part of the work is under the control of a committee of the corporation on real estate and of the president, etc." Mr. Guild concludes as follows: "We find that a much more careful supervision of the small details of the University work can be obtained in this way, as the steward gives his personal attention during the *whole time* to the various departments, seeing that all proper repairs are made, supplies furnished to the members of the faculty as needed, and the various departmental laboratories properly equipped."

Wm. W. Farnam, Treasurer at Yale, informed me that while at that University the different departments are somewhat independent of each other, for the academical department, which has the largest number of buildings and the most spacious grounds the supervision of janitors, mechanics, etc., is confided to an officer specially appointed for that purpose and who is known as the inspector of Grounds and Buildings. This officer has the power of engaging and of discharging the employees, and the entire responsibility of their management is with him. "The result is regarded as reasonably satisfactory."

At the Johns Hopkins University a general superintendent

of buildings is employed, and the plan was found to work well.

At Vassar there is a general superintendent of the grounds, buildings, etc., who has the burden of responsibility in engaging and overseeing all employees. The superintendent is in constant communication with the president of the college, who is chairman of the executive committee of trustees. The committee meets monthly, so the business affairs are reported directly to the committee, and the final responsibility and authority rests with it. This is found a very satisfactory arrangement, and as the superintendent has the general charge of all buildings, repairs, supplies, etc., he is kept busy all the time.

At Columbia University there is a superintendent of buildings and grounds. This officer is appointed by the trustees on the nomination of the president, and is directly responsible to him for the performance of his duties. This method of administration is found to be entirely satisfactory, and the superintendent has proved to be practically the president's right hand.

I desire to draw your attention particularly to the reply I received from the University of Michigan. There one, officer occupies the combined office of steward and secretary, and is the custodian of all the property of the university. Under him, however, the regents have appointed a superintendent of buildings and grounds, who practically takes charge of them, but is officially under the direction of the first named official. The arrangement seems to work satisfactorily.

At Harvard University they have, among other officials, a superintendent of buildings, but it does not appear necessary to further dilate upon this matter. It suffices to say that the correspondence above quoted led the Board of Regents to believe in the efficiency of management by means of a general superintendent, that one was therefore appointed, and that increased economy and smoother working of the various departments under his control has been the result.

Would not this Institute enjoy the same results from a similar appointment? I think it would. Why not combine the offices of Secretary and General Superintendent, as is done by

the University of Michigan? At present, our Secretary is paid a salary of $150 a month, and loses much valuable time in keeping the books of the Institute, which work could be satisfactorily done under his supervision for $60 a month. For the annual fair we employ a manager, whose services could be dispensed with if our Secretary were also made a general Superintendent, and if he was relieved, by the appointment of a subordinate, of the clerical work which now occupies the greater part of his time. Such a course may cause a somewhat greater annual outlay for salaries, but I believe the Institute would be much more than recompensed by the saving effected by the personal superintendence of its business by one whom both duty and self-interest combined to impress with the necessity of the strictest economy and good business judgment. Nor would the utility of the various committees be in any way interfered with by such an appointment. They would then, as now, be the originators of all movements for the benefit of the Institute, and would have more time to take such matters under consideration, because they would have a Secretary and General Superintendent with his whole time at their disposal to carry their decisions into effect—an executive officer responsible for the well doing of the work created by them.

I respectfully submit this matter for your serious consideration, believing that we can improve our government in this direction by taking a lesson from the practice of other institutions of a somewhat similar nature to our own.

THE LIBRARY BUILDING.

The removal of the Reading Room from the basement of the Library building to the upper story, made in July last, I think I may designate as a great improvement. This was done after obtaining the opinion of the habitués of the Reading Room by the careful taking of a vote from April 3d to April 21st of last year. The vote showed 203 in favor of the removal, and 91 against it. The cost of this work, including papering and painting, was $88.

At the same time, the class room was removed from the upper story to the basement, and the present class room is the most convenient, and offers the best accommodations the classes have hitherto enjoyed.

Another improvement was lately made by providing an outlet leading from the Library room to the toilet rooms in the yard, which before could only be reached through the basement. This work cost $100, and comprised cutting through rear brick wall in two places and building stairs and platform.

In spite of all that has been done in this and previous years, the fact remains that the Library building on Post street is fast becoming too limited in area for the various purposes for which it is used. The rapidly growing Library, as well as the general increase of membership, requires more extensive quarters. The shelves are overcrowded, and frequently seats in the Library room are at a premium. The present arrangement of the Library occupying four rooms is inconvenient and expensive. At present, the carrying of chairs up and down from basement to the reference room costs $3 each lecture. A larger lecture room is also needed; a room that would comfortably seat 500 people would be none too large. As a makeshift, the room now used as a lecture hall might be enlarged by moving the middle wall running east and west five feet closer to the stairs, thus providing room for fifty additional chairs. In connection with this, I would recommend that a light stairway be constructed to run from the rear part of the Library to the reference room above, and that the present door to the reference room be kept closed, except when this room is used for meetings.

While the location of our present Library building is admirable in every respect, the building itself is antiquated and inconvenient. Of course, a modern building from ten to twelve stories high would be an easy solution of the problem, as the Library could be moved into temporary quarters during its erection, but I am afraid the Institute will have to wait for better times before it can afford such a new Library building. Nothing on this line can be done while the society is weighed

down, as at present, with an indebtedness of more than $100,000, but this society, owing to the indomitable pluck of its members, has overcome so many apparently insurmountable difficulties, that I believe it will not be many years before our splendid library is properly housed in a palatial building worthy of our Institute.

The Merchants Association has undertaken to have several down town street blocks repaved with bitumen; among others, the block on Post street, between Montgomery and Kearny streets, the city to pay one-half; all owners of property have given their consent, and the work would have been long since completed, but for the Market Street Railway Company, which refused to do its share by paving between the tracks.

THE FOLSOM STREET LOT.

The Folsom street lot, that bete noir and child of sorrow, has now been leased until January 1st, 1899, at a rental of $600 for the first year and $1200 for the second year. At the expiration of this lease, I think we may reasonably hope that the value of real estate will have sufficiently advanced to permit the sale of the whole or a part of this property, should such a step be considered advisable. On account of this lot the Board has paid $1,428 for the paving of 16th street. The property in question contains 246,188 feet, and is bounded by Folsom, 15th, Harrison and 16th streets, and must in time become very valuable. This was evidently the opinion of Mr. Hallidie, for he says in his report last year: "It will be seen that this is a large piece of property, reasonably accessible today, and viewed from the possibilities of the future, should receive careful consideration of the Trustees and members before deciding to dispose of it, there being no other property of that size available in one parcel so near the City Hall. It has been a heavy burden to carry, but you have carried it so far, through all these hard times, and with good management this financial load can be wiped out in time, and the property become useful and of value to the Institute." I would add that

many of the leading handlers of real estate in this city have still great faith in the future of that portion of the city in which this lot is situated. It is argued that while residence and general business property may spread over the hills in all directions, all businesses in which the hauling is an important item must keep on the level ground. This of course applies particularly to manufacturing and warehousing. As there is really very little level land in this county, what there is, is bound to become ultimately extremely valuable, particularly where within easy reach of rail and ship. I believe that in a short time the missing link in the railroad between San Luis Obispo and Santa Barbara will be supplied, and then transcontinental trains will run direct via Los Angeles, Santa Barbara, San Luis Obispo and San Jose to this city. As our property is adjacent to this very railroad, there seems to be a good chance for it to rise in value, and I agree with Mr. Hallidie in believing that ultimately this property will become useful and of value to the Institute.

THE PAVILION.

The principal repairs and additions made to the Pavilion during the past year were as follows:

Three new fish tanks and hatchery	$ 680 28
New roof, partly glass, on south side	1,065 00
Floor over garden	251 00
New shingling	479 85
Gutters and leaders	382 45
One section of 110 seats	93 40
Work on closets	67 61

Contracts have been let for the furnishing of new seats, the same as sample section, after plans advised by Trustee Holmes at a total cost of 85 or 90 cts. per seat. Mr. Holmes, who I am sorry to say could not be induced to become a candidate for re-election, has kindly volunteered his services to superintend the putting in of the new seats, after his time as Trustee has expired.

At one time, the Board of Trustees feared that the Board of Health might condemn the water-closets at the Pavilion, and might compel us to put in an entirely new system, at an expense of several thousand dollars; but after our making some slight alterations and thoroughly cleansing the closets, the Board of Health appears satisfied that the system now in use is not detrimental to health.

I can not leave the subject of the Pavilion without saying a few words regarding the Finance Committee's report of its financial condition, as presented at the last meeting of the Board of Trustees. The recommendation contained therein "That steps be taken to sell the Pavilion Block" appears to me to be a short-sighted policy. While it may be true as shown by the figures given that the money invested in this property has earned only a little over 2 per cent. per annum upon the amount invested, it must be remembered that we have had meanwhile a building in which to hold our annual fairs. Had the property been sold March 1, 1892, for $500,000.00, and if the money so obtained had earned as estimated $30,000.00 a year interest, it is very doubtful if such interest would have repaid the Institute for the loss of the Pavilion. It must be remembered that the Institute was not formed for the purpose of money making but for the purpose of education; making money is only incidental to its educational functions and only allowable so far as it enables the latter to be carried on. The Institute educates by its Library, its lectures, its classes and its industrial fairs, which latter fill the two-fold office of public education and earning money wherewith to strengthen and improve the Institute's other ways of educating its members. While undoubtedly more money might have been made or might now be made by the sale of this property for the Library, Lectures and Classes, discontinuation of the annual fairs would in my opinion more than discount the gain effected by such sale. The history of the Institute shows conclusively that these Fairs have been its life blood, and that it was not until it owned a Pavilion and held its Fairs regularly that it surmounted its early financial troubles and became as

it now is on the high road to prosperity. Without them it would I believe lose the support and sympathy of the public; its membership would dwindle and very soon it would cease to be, what it now is, a leading force in this city and state for education, civilization and great public beneficence. If I am correct, then it is better to keep a property which renders these Fairs possible even if it pays only two per cent. upon the money invested for the express purpose of providing a Pavilion.

It may be suggested that the report infers that if such sale were made another site would be obtained and a new Pavilion erected thereon, or one erected upon the Folsom Street lot. The report does not contain any such inference, and all that can be learned from it is that a sale is recommended because the site has become too valuable for its present uses. It would demand very serious reflection before any such step should be taken, and as I have before said it would be better to let matters remain as they are in spite of the financial loss, than to terminate or even temporarily interrupt the holding of Mechanics' Fairs, which have for so many years centered the interest of the public in the Institute. The day may come when the opportunity may present itself to obtain a suitable site for a new Pavilion, and then and not until then should the sale of the present property be considered. As far as the Folsom Street lot is concerned many years must pass before it will, in my opinion be sufficiently central in location to render it a proper site for the Pavilion.

OUR HOME PRODUCTS FAIR.

The last Mechanics' Institute Fair may be called a success in every particular, for not only was it justly popular by reason of increased attraction and a fifty per cent. reduction in the price of admission, but it had by its nature, which was that of an exhibition of strictly home products, the power of exercising a very salutary influence on trade and industry. As you are now aware the Fair of 1896 in spite of the low price of admission produced a net profit of $8,195.46 besides greatly adding to the usefulness and popularity of the Institute. For further particulars in reference to this Fair I beg to refer to the Secretary's report and to my introductory remarks at the opening exercises.

During the summer a very enthusiastic reception was tendered by the Mechanics' Institute to the Union Iron Works, at the Pavilion, in honor of the successful trial trip of the U. S. Battle Ship "Oregon."

THE CLASSES AND LECTURES.

Classes in Mechanical and Architectural Drawing, Free-Hand Drawing, and Electricity were organized in September last, and are still in existence. The classes in Mechanical and Architectural Drawing and Mathematics suffered an interruption of two or three weeks on account of a change of teacher, the other classes have met regularly since they were organized. In relation to these classes I would make a suggestion. As it appears that the income derived from the fees paid by the scholars is so very small in comparison to the total amount of cost of the classes, viz: $173.10 as compared to $703.63, I would recommend the serious consideration of giving the tuition free to all members and minor children of members.

There were twelve lectures given under the auspices of the Mechanics' Institute, beeween December 12th, 1896, and February 27th, 1897, (for the list of which see Librarian's Report.)

THE LIBRARY.

Owing to the clear and concise manner in which the reports of the Secretary and Librarian are drawn up, I have not found it necessary to go into statistics, but there is a statement in the Librarian's report which requires comment. This is the number of membership. According to the figures given on February 29th, 1896, the number of members was 4,709; the membership on the 27th of last February was only 4,493, a falling off of 216 members during the past year. I consider

that this loss of membership is caused by strictly dropping members from the roll for non-payment of dues, general hard times, and the reduction of the entrance fee to the Fair from 50 to 25 cents. In regard to the last reason, it will be understood that with a 50 cent entrance fee, the sale of members' tickets at $2.50 annually caused many new members to join the Institute for the purpose of obtaining them. With the entrance fee at 25 cents, there is little or nothing to be gained by obtaining a member's ticket at $2.50, so that the sale of such tickets has ceased to be an inducement to membership. Therefore, I should advise that unless the entrance fee is raised this year, that members' tickets be sold for $1.50, instead of the present price. I believe, also, that the more convenient arrangement of the Library and Reading Rooms in the Post street building will also gradually bring about an increase of membership.

There has been an accession to the Library during the past year of 3,431 books, as against 3,475 volumes for the preceding year. The total number of volumes now on the shelves is 73,645. Of the late accessions, 370 books and 339 pamphlets and unbound volumes were presented to the Library.

STATEMENT OF LICK FUND.

The history of this fund for the past year is as follows:

Balance March 1st, 1896		$3,838 82
Purchase of books charged to same during year ending March 1st, 1897		417 37
		$3,421 45
Interest credited March 1st, 1897		255 80
Amount to credit of fund		$3,677 25

We owe it to the energy of our Librarian that a card catalogue for the Reference room is completed, and the work for a general card catalogue is pushed by him with much zeal. This is a matter of great importance, and I hope the time is not far

off when we shall be in possession of a complete catalogue in book form, which will be of great convenience both to the members and the clerical force. I call your special attention to the Librarian's report.

The Secretary is now about to make a complete collection of trade catalogues, which will, I think, prove a valuable acquisition.

In the course of the last year, the Institute honored one of its members, Mr. Henry F. Williams, by presenting him with an honorary membership diploma. Mr. Williams has been identified with the Institute from its organization.

The members will be called upon this evening to ratify still another recommendation for honorary membership—that of Mr. A. S. Hallidie, already a life member. Mr. Hallidie is well known to you all, as are also the great and lasting services which he has rendered this Institute. His name will live as that of one of the most energetic members and faithful servants of the Mechanics' Institute.

Efforts are now being made in the State Legislature to settle the point upon which the question of the legality of our present system of election might be raised.

Taking advantage of the present lively insurance war, the Board has taken out policies on the Library building for three years at much more profitable rates than before. The following insurance is now in force:

Building	$25,000 00
Books	60,000 00
Furniture	2,000 00

The bill for lighting last year was	$2,470 22
Of which there was paid for Welsbach burners	311 68
Making the actual lighting expense	$2,158 54
This year's lighting, including small quantity of electric light	1,219 16
Saving this year	$ 939 38

There has been made a further payment of $5,000 on our mortgage indebtedness to the Board of Regents of the State University, reducing interest $25 per month.

A suit which was brought by Julius Wolff against the Institute for imaginary damages, said to have resulted from the Fair of 1895, was won by the Institute on appeal, and costs amounting to $19.50 recovered.

In the McQueen suit, still with the Courts, we paid a bill of costs for $150.00.

The Firth suit is now on appeal before the Supreme Court.

Suit has been brought by J. L. Hicks against the Institute to recover $32.50 for services alleged to have been performed.

The first number of a monthly paper to be called the Mechanics' Institute Library Bulletin has just made its appearance. It will be delivered free to all members, and contains among other information, pertaining to the Institute, a full list of newly acquired books, etc.

ELECTIONS.

It is very much to be deplored that less than twenty-five per cent. of the membership of the Institute take a part in the annual election for Trustees. I hope that there is only one reason for the great lack of active interest thus displayed, viz: that the affairs of the Institute are so well managed, that it is not considered necessary by the majority of our members to take part in our elections. This *may* be so, and if so it is of course a great compliment to the Board of Trustees, but when I remember the reasons given by many good citizens for not taking an active part in city and county politics—that they dislike to come in contact with politicians, that politics are unclean, etc., a fear creeps over me that the absence of a large majority of our members from the annual election may be caused by the way the campaign has lately been conducted, namely, with the aid of vituperation, personal attacks and accusations that the affairs of the Institute are grossly mismanaged. Such conduct is much to be deplored, and under the

circumstances one can easily understand why members dislike to be made a party to this "envy, hatred and all uncharitableness," by helping to elect Trustees. There should certainly be no unclean linen in this Society, but if there is, why, we had certainly better wash it at home! I fear that this constant cry of "wolf, wolf," in relation to our affairs will have the effect of making some of the public believe the accusations, and result in loss of members, as in the last year when our membership decreased over 200.

Two of the gravest charges made were that the Trustees divided the places at the Exposition among their friends and relatives, and that the printing had been given all to one party as a favor. Now what are the facts? As can be proved by the minutes of the meeting of the Board on May 19th, 1896, a resolution was passed that all appointments were to be made by the Fair superintendent alone, and that he alone would be responsible for their good conduct. This resolution was strictly adhered to. Again the party named in the published charge as profiting by the printing work did not receive a dollar's worth of all the Fair printing, and only a moiety of the balance of the regular work.

Let us hope that in future our short campaign will be conducted in a more manful and salutary manner, and if there are any charges against the Board they may be made in the proper manner, and in the proper place, namely, at our meeting, and subjected to investigation as to their truth.

I can not conclude this report without tendering my grateful thanks to the officers of the Mechanics' Institute and the employees of the Fair for the valuable assistance they at all times rendered me in the execution of my presidential duties, and the courteous manner in which it was always given.

More especially do I desire to thank the members of the late Board of Trustees for the valuable aid I have always received from them, and the great patience they exercised in their business relations with a president so little acquainted with his duties.

I thank you all for the honor and trust which you have been

pleased to place in me, and I sincerely hope I have succeeded in proving myself worthy of it.

ERNST A. DENICKE,
President.

San Francisco, March 6th, 1897.

At the conclusion of the reading of President Denicke's report at the annual meeting, he was unanimously tendered a vote of thanks for the able and efficient manner in which he had filled the office of president.

SECRETARY'S REPORT

To the President, Trustees and Members of the Mechanics' Institute.

LADIES AND GENTLEMEN: I herewith present a financial statement for the year ending, February 28, 1897.

RECEIPTS

Library—		
Entrance fees	$ 937 00	
Quarterly dues	22,076 50	
Life membership	400 00	
Books and fines	1,388 71	
Rents, Post street	3,900 00	
Sale of electric light sockets	22 15	
Sundries	21 60	
		$28,745.96
Pavilion—		
Rent of building	$ 7,030 00	
Rent of Hayes street property	4,833 05	
Gas and lighting	1,282 18	
Damages to Pavilion	237 71	
Sundries	149 90	
		13,532 84
Classes—		
Fees of pupils	$ 164 00	
Drawing paper sold	9 10	
		173 10
Folsom Street Property—		
Rent		275 00
Twenty-ninth Industrial Exposition—		
Receipts		35,690 50
Bills Payable—		
Money borrowed		1,000 00
Total receipts		$79,417 40

Cash on Hand—	
March 1, 1896	1,221 29
	$80,638 69

NOTE.—The difference in dues, fees and etc. in this report from the figures in the Librarian's report is on account of the Secretary including in this year's report the collections made by the Librarian the last day of the previous year which were received by the Secretary too late in the day to be deposited in the bank last year.

EXPENDITURES

Library—		
Advertising	$ 44 00	
Books	3,148 13	
Books charged to Lick Fund	417 37	
Binding	1,205 55	
Contingent Fund	100 00	
Expense	954 07	
Fuel	154 60	
Furniture	27 80	
Interest	555 20	
Insurance	1,001 50	
Lighting	1,226 36	
Medallion of Jas. Lick	250 00	
Printing and stationery	1,354 30	
Periodicals	1,471 46	
Repairs	335 82	
Salaries	8,554 35	
Taxes	2,079 70	
Water	234 20	
		$23,114 41
Pavilion—		
Repairs to Pavilion	$ 2,875 70	
Repairs to Hayes street houses	175 15	
Insurance	877 50	
Gas	1,121 36	
Salaries	2,615 00	
Water	167 00	
Taxes	4,191 08	

Rent returned	498 00	
Legal expenses, suit of McQueen vs. Mechanics' Institute	150 00	
General expenses	301 13	
		12,971 92
Folsom street Property		
Interest	$ 6,000 00	
Taxes	896 54	
Street improvements	1,428 00	
		8,324 54
Classes—		
Salaries	$ 675 00	
Advertising and printing	16 25	
Paper	3 38	
Fees returned to pupils	9 00	
		703 63
Lectures—		
Advertising and printing	$ 36 25	
Illustrating	68 45	
Paid to lecturers	140 00	
Moving chairs, etc	43 00	
		287 70
Bills Payable—		
Temporary loan repaid	$ 1,000 00	
Paid on account of mortgage	5,000 00	
		6,000 00
Twenty-ninth Industrial Exposition—		
Expenditures		27,495 04
Total expenditures		$78,897 24
Cash on Hand—		
March 1, 1897		1,741 45
		$80,638 69

Respectfully submitted,
JOSEPH M. CUMMING,
Secretary.

SUMMARY

OF RECEIPTS AND EXPENDITURES FOR THE YEAR ENDING FEBRUARY 28, 1897

		RECEIPTS	EXPENDITURES
Library—			
Receipts	$28,745 96		
Expenditures	23,114 41		
Excess of receipts		$5,631 55	
Pavilion—			
Receipts	$13,532 84		
Expenditures	12,971 92		
Excess of receipts		560 92	
Classes—			
Receipts	$ 173 10		
Expenditures	703 63		
Excess of expenditures			$530 53
Lectures—			
Expenditures	$287 70		287 70
Folsom Street Lot—			
Receipts	$275 00		
Expenditures	8,324 54		
Excess of expenditures			8,049 54
Twenty-ninth Industrial Exposition—			
Receipts	$35,690 50		
Expenditures	27,495 04		
Excess of receipts		8,195 46	
Bills Payable—			
Receipts	$1,000 00		
Expenditures	6,000 00		
Excess of expenditures			5,000 00
		$14,387 93	$13,867 77
Excess of receipts over expenditures			520 16
			$14,387 93
Cash on Hand—			
March 1, 1896		$1,221 29	
Excess of receipts over expenditures		520 16	
Cash on hand—			
March 1, 1897			1,741 45

Respectfully submitted,

JOSEPH M. CUMMING,

Secretary.

LIBRARIAN'S REPORT

To the President and Board of Trustees:

GENTLEMEN: I have the honor to submit for your consideration the forty-second annual report of the work and condition of the Library for the year ending February 27th, 1897.

MEMBERSHIP

Number reported February 29, 1896		4,709
New members—Subscription	934	
Life	7	
Honorary	1	942
		5,651
Withdrawn and dropped		1,158
Membership February 27, 1897		4,493
Honorary	11	
Life	200	
Subscription	4,282	

Mr. Henry F. Williams, so closely identified with the early growth of the Mechanics' Institute, was made an Honorary member in March, 1896.

Two life members have died during the year—Jacob Z. Davis and Manuel Eyre.

BOOKS

The accessions for the year have been 3,431 volumes, distributed as below:

Bibliography	40	General Periodicals	212
Philosophy	53	Theology	23
Sociology	351	Philology	10
Natural Science	206	Useful Arts	462
Fine Arts	101	Poetry and Drama	75
Fiction and Juvenile	1,446	Literature, Essays, Letters	124
Biography	101	Geography and Travel	115
History	112		

These were assigned:

Reference department			876
Circulation			2,555
There were Purchased	2,236		
Presented	370		
Bound	825		
		3,431	
Pamphlets and unbound volumes:			
Presented	889		
Purchased	218		
		1,107	

BOOKS AND ACCESSIONS

Number of volumes reported Feb. 29, 1896			70,818
Accessions by purchase	2,236		
Accessions by gift	370		
Accessions by binding	825		
		3,431	
Lost and paid for	63		
Lost with dropped members	37		
Worn out and disposed of	257		
Missing—unaccounted for	247		
		604	
Net increase			2,827
Total, as per count, February 27, 1897			73,645

The number of volumes in the Library, with location and classification, will be found in Appendix II.

Pamphlets	4,276
Unbound periodicals	860

BINDING

New books, periodicals and pamphlets bound	825	
Old books re-bound	1,959	
		2,784
Repaired in the Library		6,202

PERIODICALS

Our subscription list includes 475 titles, selected from the representative newspapers and periodicals of the world.

American	378	Paid	318
Foreign	97	Presented	157

This does not include the following magazines, taken for circulation as books:

Arena	3	McClure's	2
Atlantic	2	Munsey's	2
Century	5	Nineteenth Century	1
Cosmopolitan	3	North American Review	2
Eclectic	2	Outing	1
Forum	2	Overland	1
Harper's	6	Popular Science Monthly	2
Harper's Round Table	2	Review of Reviews	2
Lippincott's	2	St. Nicholas	2
		Scribner's	5

It has been found necessary to increase this number for the coming year to meet the growing demand.

The expenditures in this department were:

For books—General fund	$3,148 13	
For books—Lick fund	417 37	
For periodicals	1,471 46	
For binding	1,205 55	
Total		$6,242 51

DONATIONS

The gifts to the Library were:

Bound volumes	370
Unbound volumes and pamphlets	889
Maps	9
Periodicals	157
Photographs	20

A list of donors will be found in Appendixes III and IV.

CIRCULATION

The issue at the delivery desk, for home use, was 166,971 volumes, a daily average of 549 for the 304 days the Library was open. A table of classification follows:

General periodicals	6,258	Philosophy	1,491
Theology	604	Sociology	2,030
Philology	301	Natural Science	1,492
Useful Arts	2,912	Fine Arts	2,649
Poetry and Drama	3,001	Literature, Essays, Letters	3,259
Fiction	131,138	History	3,926
Biography	3,752	Miscellany	780
Geography and Description	3,378		

I venture to again call the attention of the members to the "Request Book" to be found on the desk in the Delivery room. The Book Committee devote much thought to the careful selection of books, and the chief purpose of this book is to record suggestions of needed additions to the various departments of the Library, for their guidance. Many valuable suggestions have been received during the year, but the use of the book is not as general as it should be.

CATALOGUING

The current accessions have been kept up to date, and many miscellaneous books catalogued. In addition a complete card catalogue of the books in the Reference room has been made, and is placed in the room for the use of members. This is a real advance toward a catalogue of the Library, and it is hoped that the coming year will see another step forward, as the part in use, but emphasizes the need for a complete catalogue more sharply. This catalogue has been made in addition to the regular work and under discouraging conditions, and the corps of assistants deserve great praise for the unflagging zeal and perseverance shown in its preparation.

SUNDAY

The Library is open on Sunday, for reading and reference purposes only, from 10 A. M. to 5 P. M. No books are received or given out on that day. The average attendance is 40.

CLASSES

Evening classes in Mechanical Drawing and Free-hand Drawing under competent Instructors, are held in the Library building two evenings each week. The Spring term, now in session, continues until June 30th. Classes are open to members and the children of members. A class in Electrical Science has been held, under the personal supervision of Prof. Elmer E. Farmer of Stanford University, and has been well attended.

LECTURES

The usual course of lectures have been given on successive Saturday evenings during the winter, in the Library Rooms. They have covered a wide range of topics and have been very interesting. The attendance was uniformly good, and on several occasions crowded the rooms uncomfortably.

A complete list of the series is given:

LECTURES—SEASON 1896–97

DECEMBER 12TH, 1896

Captain Hiram G. Morse—"The Hawaiian and Samoan Islands" (Illustrated).

DECEMBER 19TH, 1896

Thomas Hatch—"The Woods of California, and How to Find Fancy Figures Therein."

DECEMBER 26TH, 1896

James W. Erwin—"An Evening in Childhood's Realm" (Illustrated).

JANUARY 2D, 1897

Frona Eunice Waite—"Cuba and the Cubans" (Illustrated).

JANUARY 9TH, 1897

Prof. H. T. Ardley, University of California.—"Ornamental Design and its Evolution" (Illustrated).

JANUARY 16TH, 1897

W. L. Watts—"Petroleum Deposits of California" (Illustrated).

JANUARY 23D, 1897

O. V. Lange—"Through the University of California with a Camera" (Illustrated)

JANUARY 30TH, 1897

Lieut.-Col. Greenleaf, U. S. A.—"Hygiene."

FEBRUARY 6TH, 1897

David Starr Jordan, (President, Leland Stanford Jr. University.)—"The Fur Seal as an International Issue" (Illustrated.)

FEBRUARY 13TH, 1897

Bernard Bienenfeld, Ph. B.—"The Origin and History of Asphalt" (Illustrated.)

FEBRUARY 20TH, 1897

Rounseville Wildman.—"White Rajah of Borneo" (Illustrated.)

FEBRUARY 27TH, 1897

Willard Beahan, C. E.—"American Railways, and their Engineering" (Illustrated.)

RECEIPTS

(FOR THE YEAR ENDING FEBRUARY 27TH, 1897)

New members	$ 934 00
Life members	350 00
Quarterly dues	21,988 00
Books lost and paid for (63)	66 90
Fines collected (4928)	707 55
Extra books (6052)	605 20
Evening classes	164 00
Sundry (drawing paper, etc.)	40 05
Total receipts at Library	$24,855 70
Amount deposited	24,855 70

A table of statistics will be found in Appendix I.

It would seem that at this time, the principal need of the Institute is a modern fire-proof building where our valuable collection of books may be safely housed and guarded against a loss that would be irreparable.

The phenomenal growth of the Institute was not anticipated when the present building was planned, and no provision was made for housing such a large collection. The Library is much overcrowded, and the present arrangement makes its administration inconvenient and expensive. A modern building where the books may be conveniently arranged for consultation; where there is sufficient room to spread the treasures of our Library before the reader, and where we could have suitable lecture and class rooms, would do much to maintain our reputation as a progressive institution, increase our opportunities for usefulness, and advance those educational aims which it is the principal purpose of the Mechanics' Institute to encourage.

Respectfully submitted,

A. M. JELLISON,
Librarian.

APPENDIX I.—SUMMARY OF STATISTICS—1881–1897.

Year ending March 1st.	Receipts. Fees and dues	Other	Total	Expenditures. Books	Periodicals	Binding	Total, books periodicals, binding	Salaries	Other	Total	Accessions, volumes	Number of Volumes	Circulation	Membership
1881	$8,713 72		$8,713 72	$2,726 37	$1,243 36	$1,386 49	$5,356 22	$5,341 00	$6,129 37	$16,826 59	1,878	30,207	47,550	1,537
1882	8,393 75	$56 60	8,450 25	1,702 91	1,314 18	745 48	3,762 57	5,342 50	5,239 99	14,245 06	1,356	31,187	46,873	1,524
1883	8,249 50	69 35	8,318 85	2,154 74	1,526 63	738 19	4,419 56	5,342 50	4,724 63	14,486 69	1,758	32,620	44,236	1,618
1884	10,146 08	98 00	10,244 08	2,105 01	1,482 73	658 35	4,206 09	4,982 09	5,626 23	14,854 32	2,053	34,620	51,464	1,919
1885	11,553 00	44 15	11,597 15	4,134 88	1,014 74	1,327 21	6,526 83	5,488 15	7,910 07	19,925 05	2,792	36,328	50,759	2,123
1886	14,123 50	140 60	14,264 10	4,130 32	1,051 37	1,194 90	6,376 59	6,132 00	7,490 91	19,899 50	3,302	38,627	72,121	2,531
1887	15,227 50	184 25	15,411 75	4,198 03	1,382 52	1,234 89	6,815 44	6,445 50	6,819 61	20,080 55	3,394	41,465	89,491	2,852
1888	17,503 50	209 16	17,712 66	4,689 69	1,386 63	1,438 97	7,465 29	6,602 00	6,224 51	20,291 80	3,809	45,051	92,827	3,160
1889	19 803 00	248 85	20,054 85	3,846 71	1,589 18	2,413 14	7,849 03	7,540 00	7,283 63	22,672 66	3,713	47,656	100,593	3,557
1890	21,669 00	403 90	22,072 90	4,824 81	1,276 22	1,648 07	7,749 10	8,162 50	7,612 37	23,523 97	4,701	51,820	114,678	3,970
1891	22,863 50	1,400 35	24,263 85	4,720 13	1,670 81	2,594 43	8,985 40	8,883 00	7,401 98	25,270 38	4,147	54,982	135,972	4,076
1892	23,333 50	1,666 12	24,999 62	4,506 41	2,340 61	1,641 31	8,488 33	9,712 50	8,341 12	26,541 95	4,017	57,934	139,090	4,130
1893	26,656 50	1,619 05	28,275 55	5,097 42	1,215 05	1,731 43	8,043 90	10,059 50	7,251 07	25,354 47	5,321	62,444	152,709	5,541
1894	23,916 00	2,020 40	25,936 40	5,197 65	1,532 09	2,477 81	9,207 55	10,734 65	7,791 58	27,733 78	5,086	66,462	160,992	4,371
1895	22,460 00	2,104 01	24,564 01	3,714 11	2,222 34	1,325 01	7,261 46	9,154 85	7,383 45	23,799 76	3,733	68,363	153,330	4,465
1896	23,710 00	1,785 70	25,495 70	3,446 06	1,487 32	854 09	5,787 47	8,000 70	9,857 23	23,645 40	3,475	70,818	185,875	4,709
1897	23,272 00	1,583 70	24,855 70	3,565 59	1,471 46	1,205 55	6,242 51	8,554 35	8,317 55	23,114 41	3,431	73,645	166,971	4,493

APPENDIX II.—LOCATION AND CLASSIFICATION OF THE BOOKS IN THE LIBRARY.

	Reference	*Circulation*
Encyclopædias	288	....
Bibliography	252	42
Periodical Literature	3,536	1,367
Philosophy	195	690
Theology	81	1,208
Sociology	1,028*	1,616
Education	121*	282
Philology	123*	168
Natural Science	2,353*	1,629
Useful Arts	3,559*	2,249
Fine Arts	732*	1,171
Literature	75	592
Poetry	108	1,151
Drama	76	339
Fiction	....	12,859
Juvenile Fiction	....	1,494
Essays, Speeches, Letters	....	1,062
Humor	....	208
German	....	532
French	....	1,891
Italian and Spanish	....	174
Travel	286	2,479
Biography	167	3,108
History	378	2,477
Juvenile Travel, History, Science, etc.	....	498
California Reports	380	....
United States Government Reports	4,808	....
Patents (British)	5,283	....
Patents (American)	652	....
Newspapers	800	....
Directories	303	....
Miscellaneous	951	2,238
Registers (number of books in members' hands)	....	5,586
	26,535	47,110

*Including periodicals.

APPENDIX III.—GIFTS.

List of Donors, 1896–1897	Books	Pamphlets	Maps
American Congregational Association		1	
American Humane Association		2	
Anonymous	11	4	
Armour Institute of Technology		1	
Associated Charities of Boston		1	
Baltimore *Sun*		1	
Barber, Mrs. William		2	
Becker, George F.		1	
Bemis, G. P.		1	
Boyd, N. E.		1	
Brown, Mrs. C. B.	4	8	
Buffalo, N. Y. (City Council)		1	
Buffalo Library		1	
Cabrera, Miss E.	1		
Cadbury, R.	1		
Calaveras County (Great Register)		1	
Caldwell, J. A.		1	
CALIFORNIA—			
Bank Commissioners	1		
Building and Loan Association Commissioners	2		
Bureau of Highways	1	1	
Fish Commissioners	1		
Railroad Commissioners	1		
Secretary of State	9	2	
State Board of Agriculture	1		
State Library	2	3	
State Mining Bureau	7		4 sheets
Surveyor General	1		
Yosemite Valley Commissioners	1		
California Academy of Sciences		2	
California Optical Company, Thermometer			
California School of Mechanical Arts		1	

List of Donors, 1896–1897	Books	Pamphlets	Maps
California State Dental Association		1	
California State Medical Society	1		
Canada—Patent Office		1	
Chamberlain, L. T.	1		
Channing Auxiliary, San Francisco		1	
Chicago Architectural Iron Works (Chicago, Ill.)		1	
Chicago Public Library		1	
Cincinnati Public Library		1	
Clark, Mrs. S. M.	3		
Coleman, William Emmette	5		
Columbia University (New York)		3	
Commissioners of District of Columbia		4	
Contra Costa County (Great Register)		1	
Cooper, Archibald	1		
Crocker, Uriel H.	1		
Cuenca, Mrs. L. M.	2	31	
Culver, J. H.	3		
Cumming, George	2		
Davis, Horace	1		
Davy, J. Burtt		1	
Del Norte County (Great Register)		1	
Doran, Frank B.	1		
English Patent Office, Reports		109	
Estado Republica Mexicano, Secretaria de		8	
Estee, M. M.		5	
Faust, H. W.			1
Field Columbian Museum		6	
Forbes Library (Northampton, Mass.)		1	
Ford, H. P.	1		
Forney, F. G.	1		
Freud, J. Richard	2		
Goodman, T. H.		6	
Harvard University	4	2	
Havens, H. B.	1		
Healy, P. J.		5	

List of Donors, 1896–1897	Books	Pamphlets	Maps
Helena (Montana) Public Library		1	
Hoar, George F.		1	
Hooper, Alcaeus	1		
Hungerford, Austin M.	1	2	
Illinois Bureau of Labor Statistics		1	
Indian Rights Association		6	
Inyo County (Great Register)		1	
Janin, Alexis	112	5	
Japanese-American Voice (periodical)			
Jellison, A. M	1		
Johns Hopkins University		2	
Jones, J. M.	1		
Kern County (Great Register)		1	
Landers, M. H.	1		
Leland Stanford Junior University		5	
Library Association of Portland		5	
Library Commission of Seattle		1	
Library Company of Philadelphia		2	
Lick Observatory			1
London School of Economics		1	
Los Angeles Public Library		1	
Lunstedt, Henry		17	
McCormick, Cyrus H.	1		
McKisson, Robt. E.		1	
Marin County (Great Register)		1	
Martinoff, R. W.	1		
Maryland Institute (Baltimore)		1	
Massachusetts Free Library Commission		3	
Massachusetts Labor Bureau	2		
Massachusetts State Board of Education	2		
Master Builders' Mechanical Trade School (Philadelphia)		1	
Master Car-Builders' Association	1		
Mendocino County (Great Register)		1	
Mercantile Library Association, San Francisco		1	

List of Donors, 1896–1897	Books	Pamphlets	Maps
Minneapolis Public Library		4	
Mono County (Great Register)		1	
Monterey County (Great Register)		1	
Mount Olivet Cemetery Association		1	
Munro, Robt. E.	1	1	
Napa County (Great Register)		1	
National Democratic Party, Chicago, Ill.		1	
National School of Electricity	1		
Nevada County (Great Register)		1	
New Bedford Public Library		4	
New York Central and Hudson River Railroad		1	
New York Public Library		1	
Newark Free Public Library		1	
Oakland Free Public Library		2	
Patton, William	1	1	
Phelps, Byron		1	
Philadelphia Times		1	
Phillips, L. E.		1	
Placer County (Great Register)		1	
Pratt Institute		1	
Providence Public Library		1	
Queensland—Registrar of Patents		1	
Quincy, Josiah	1		
Riverside County (Great Register)		1	
Riverside Public Library		1	
Sacramento County (Great Register)		1	
St. Ignatius College		1	
St. Louis Mercantile Library Association		2	
San Mateo County (Great Register)		1	
San Francisco Board of Supervisors	2		
San Francisco Precinct Registers		313	
San Francisco Chamber of Commerce		3	
San Francisco Free Public Library	16	28	
Santa Barbara County (Great Register)		1	
Santa Clara County (Great Register)		1	

List of Donors, 1896–1897	Books	Pamphlets	Maps
Santa Cruz County (Great Register)		1	
Sierra County (Great Register)		1	
Smithsonian Institution	5	11	
Snow Steam Pump Works (New York)		1	
Society of California Pioneers		5	
Society of Mechanics and Tradesmen (New York)		1	
Society of Naval Architects		1	
Solano County (Great Register)		1	
Sommerville, Maxwell		1	
Sons of the Revolution in California		2	
Spanish Legation (Washington, D. C.)		1	
Spreckels, Claus	2		
Stanislaus County (Great Register)		1	
Stockwell, H. E.	2	1	
Stokes, Anson Phelps	1		
Sutro Library		7	
Syracuse Central Library		1	
Tehama County (Great Register)		1	
Toomy, Mrs. H.		4	
Trinity County (Great Register)		1	
Trinity County			1
Tulane University of Louisiana		1	
Turner, H. W.		1	
UNITED STATES—			
Bureau of Education	1	1	
Coast and Geodetic Survey	1	1	
Department of Agriculture	2	15	
Department of the Interior	1	27	
Department of Labor	3	6	
Department of State	2	1	
Department of the Treasury	5	1	
Department of War	4	1	
Geological Survey (2 charts)			
Interstate Commerce Commission	1	2	
Naval Observatory	1		
Superintendent of Documents	112	102	7

List of Donors, 1896–1897	Books	Pamphlets	Maps
United States Infantry Society		1	
University of California		14	
Valentine, J. J.	3	10	
Vassar College		1	
Wagoner, Luther		1	
Walbridge, C. W.		1	
Warwicks, Chas. F.	1		
Watts, W. L. (20 photographs)			
Wells-Fargo Library Association		1	
Wise, W. Lloyd	1		
Wood, J. H.		4	
Woolcock, William	1		

APPENDIX IV—PERIODICALS PRESENTED

Altrurian, Altruria (weekly).
American Institute of Mining Engineers' Transactions, New York.
Argus, Melbourne (daily).
Arauto, O., Haywards (weekly).
Australasian. Melbourne (daily).
Berkeleyan, Berkeley, Cal. (weekly).
Breeder and Sportsman, San Francisco, (weekly).
Bureau of Statistics, Report, Washington, D. C. (quarterly).
California Academy of Science, Bulletins, Proceedings, Papers, San Francisco.
California Architect and Building News, San Francisco, (monthly).
California Demokrat, San Francisco (daily).
California Insurance Review, San Francisco (monthly).
California Fruit Grower, San Francisco (weekly).
California Journal, San Francisco (weekly).
California Medical Journal, San Francisco (monthly).
California Sentinel, San Francisco (monthly).
California Orchard and Farm, San Francisco (weekly).
California Turf, San Francisco (weekly).
California Weather Service Bureau Bulletin, Sacramento, Cal. (weekly).
California Volksfreund, San Francisco (weekly).
Californian, Bakersfield, Cal. (weekly).
Canadian Patent Office Record, Ottawa (monthly).
Capital, Los Angeles (weekly).
Chino Valley Champion, Chino, Cal. (weekly).
Citrograph, Redlands, Cal. (weekly).
City Argus, San Francisco (weekly).
Clear Lake Press, Lakeport, Cal. (weekly).
Cloverdale Reveille, Cloverdale, Cal. (weekly).
Congressional Record, Washington, D. C.
Contra Costa Gazette, Martinez, Cal. (weekly)

Corning Observer, Corning, Cal. (weekly)
Criterion, San Francisco (weekly).
Daily Colusa Sun, Colusa, Cal.
Daily Commercial News, San Francisco.
Daily Telegraph, Sydney.
Dalles Times-Mountaineer, Dalles, Or. (weekly).
El Comercio, San Francisco (weekly).
Elevator, San Francisco (weekly).
Elko Independent, Elko, Nev. (weekly).
Emanu-El, San Francisco (weekly).
Escondido Times, Escondido, San Diego County (weekly).
Evening Bulletin, San Francisco (daily)
Evening Post, San Francisco (daily).
Examiner, San Francisco (daily).
Field Sports, San Francisco (weekly).
Foot-Hills Weekly Tidings, Grass Valley, Cal.
Fresno Republican, Fresno (daily).
Gilroy Advocate, Gilroy, Cal. (weekly).
Gilroy Gazette, Gilroy, Cal. (weekly).
Grocer and Country Merchant, San Francisco (weekly).
Harmony, San Francisco (monthly).
Harvard University Bulletin, Cambridge, Mass. (irregular).
Hebrew, San Francisco (weekly).
Human Nature, San Francisco (monthly).
Illustrated Official Journal, (Patents) London (monthly).
Imports and Exports, Summary, Washington, D. C. (monthly)
Insignia, San Francisco (monthly).
Insurance Times, New York (monthly).
Invention, London (monthly).
Jewish Progress, San Francisco (weekly).
Jewish Times, San Francisco (weekly).
Johns Hopkins University Circulars, Baltimore (monthly).
Kern Standard, Kern City, Cal. (weekly).
Lake County Bee, Lakeport, Cal. (weekly).
Lassen Advocate, Susanville, Cal. (weekly).
L. A. W. Bulletin, Chicago (weekly).
Los Angeles Saturday Times and Weekly Mirror, Los Angeles, Cal. (weekly).

Machinery Market and Exporter, London (irregular).
Manufacturer's and Producer's, San Francisco (monthly).
Manufacturer and Herald of Trade, San Francisco (weekly).
Mekeel's Weekly Stamp News, St. Louis, Mo. (weekly).
Mail of Woodland, Woodland, Cal. (daily).
Marysville Daily Appeal, Marysville, Cal.
Mendocino Beacon, Mendocino, Cal. (weekly.)
Mining and Scientific Press, San Francisco (weekly).
Mission Journal, San Francisco (weekly).
Monitor, San Francisco (weekly).
Monthly Weather Reports, Washington, D. C.
Napa Register, Napa, Cal. (weekly).
Nation, San Francisco (weekly).
Natural Food, London (monthly).
News Letter, San Francisco (weekly).
Oakland Daily Evening Tribune, Oakland, Cal.
Occident, Berkeley, Cal. (weekly).
Official Gazette of the Patent Office, Washington, D. C.
Official Journal of the Patent Office, London.
Olympic, San Francisco (weekly).
Oregon State Journal, Eugene, Or. (weekly).
Oroville Register, Oroville, Cal. (weekly).
Pacific American, San Francisco (monthly).
Pacific Calendar and Catholic Church Bulletin, San Francisco (monthly).
Pacific Churchman, San Francisco (semi-monthly).
Pacific Health Journal, Oakland, Cal. (monthly).
Pacific Medical Journal, San Francisco (monthly).
Pacific Northwest, Portland (monthly).
Pacific Rural Press, San Francisco (weekly).
Pacific Town Talk, San Francisco (weekly).
Pacific Union Printer, San Francisco (monthly).
Paradise of the Pacific, Honolulu (irregular).
Petaluma Weekly Budget, Petaluma (weekly).
Penny Press, Santa Cruz (daily).
Philatelic Californian, San Francisco (monthly).
Placer Argus, Auburn, Cal. (weekly).

Placer Herald, Auburn, Cal. (weekly).
Plumas National Bulletin, Quincy, Cal. (weekly).
Press and Horticulturist, Riverside, Cal. (weekly).
Proceedings of the Institute of Civil Engineers, London (irregular).
Queensland Government Gazette, New Zealand (irregular).
Record, Larkspur, Marin Co., Cal. (weekly).
Red Bluff News, Red Bluff (weekly).
Redwood City Democrat, Redwood, Cal. (weekly).
Revista Hispaño-Americana, San Francisco (monthly).
St. Helena Star, St. Helena, Cal. (weekly).
Salinas Weekly Index, Salinas, Cal. (weekly).
San Diego Sun, San Diego, Cal. (daily).
San Francisco Chronicle (daily).
San Francisco Daily Report.
San Francisco Hotel Gazette (weekly).
San Francisco Journal of Commerce (weekly).
San Jose Daily Herald.
San Jose Weekly Mercury.
San Luis Obispo Tribune, San Luis Obispo, Cal. (weekly).
San Miguel Messenger, San Miguel, Cal. (weekly).
Santa Clara, San Jose (monthly).
Santa Cruz Surf, Santa Cruz, Cal. (weekly).
Sausalito News, Sausalito, Cal. (weekly).
Sequoia, Palo Alto (weekly).
Seismological Journal of Japan (irregular).
Shorthand Educator, Brooklyn, N. Y. (monthly).
Smithsonian Miscellaneous Collections, Washington, D. C.
Specifications of Inventions, London.
Specifications and Drawings of Patents, Washington, D. C.
Star, San Francisco (weekly).
State Mining Journal, San Francisco (monthly).
Student's Journal, New York (monthly).
Sunday Press, Albany, N. Y. (weekly).
Sydney Morning Herald, Sydney (daily).
Technical Society of the Pacific Coast, Transactions, San Francisco (monthly).

Techniker, Der, Philadelphia (monthly).
Traveller, San Francisco (monthly).
Traveller's Record, Hartford, Conn. (monthly).
United States Consular Reports, Washington, D. C.
United States Government Publications, Monthly Catalogue, Washington, D. C.
Vancouver Independent, Vancouver, Wash. (weekly).
Victoria Weekly Colonist, Victoria, British Columbia.
Voice of Labor, San Francisco (weekly).
Wasp, San Francisco (weekly).
Weekly Colusa Sun, Colusa, Cal.
Weekly Galt Gazette, Galt, Cal.
Weekly Independent, Elko, Nev.
Weekly People's Cause, Red Bluff, Cal.
Weekly Register, Mobile, Ala.
Weekly Tulare Register, Tulare, Cal.
Wood and Iron, San Francisco (monthly).
Yreka Journal, Yreka, Cal. (weekly).

APPENDIX V.—GENERAL LIST OF PERIODICALS, 1897.

[A list of periodicals by towns will be found in the Reading Room.]

ABC Guide, San Francisco (monthly).
Academy, London (weekly).
*Altrurian, Altruria (weekly).
American Academy of Political and Social Science, Annals, Philadelphia (bi-monthly).
American Antiquarian, Chicago (bi-monthly).
American Architect and Building News, Boston (weekly).
American Catholic Quarterly Review, Philadelphia.
American Chemical Journal, Baltimore (monthly).
American Economic Association, Publications, Baltimore (bi-monthly).
American Engineer and Railroad Journal, New York (monthly).
American Field, Chicago (weekly).
American Gas Light Journal, New York (weekly).
American Geologist, Minneapolis (monthly).
American Historical Review, New York (quarterly).
*American Institute of Mining Engineers, Transactions, New York.
American Institute of Electrical Engineers, Transactions, New York (monthly).
American Journal of Mathematics, Baltimore (quarterly).
American Journal of Philology, Baltimore (quarterly).
American Journal of Psychology, Worcester, Mass. (quarterly).
American Journal of Science, New Haven (monthly).
American Journal of Sociology, Chicago (quarterly).
American Machinist, New York (weekly).
American Magazine of Civics, New York (monthly).
American Monthly Microscopical Journal, Washington, D. C.
American Naturalist, Philadelphia (monthly).
American Society of Civil Engineers, Transactions, New York.
American Society of Mechanical Engineers, Transactions, New York.
American Statistical Association, Publications, Boston (quarterly).
Annalen der Physik und Chemie, Leipsic (monthly).
Annalen der Physik und Chemie Beiblatter, Leipsic (monthly).
Annales de Chimie et de Physique, Paris (monthly).
Annales des Mines, Paris (monthly).
Annales des Ponts et Chaussées, Paris (monthly).
*Annals of Hygiene, Philadelphia (monthly).
Architectural Review, Boston (semi-quarterly).

*Presented.

Arena, Boston (monthly).
Argonaut, San Francisco (weekly).
*Argus, Melbourne (daily).
Arizona Weekly Star, Tucson, A. T. (weekly).
Army and Navy Journal, New York (weekly).
Army and Navy Register, Washington, D. C. (weekly).
Art Amateur, New York (monthly).
Art Journal, London (monthly).
Art (l') pour Tous, Paris (monthly).
Association of Engineering Societies, Journal, Chicago (monthly).
Astronomical Society of the Pacific, Publications, San Francisco (irregular).
Astrophysical Journal, Northfield, Minn. (monthly).
Athenæum, London (weekly).
Atlanta Constitution, Atlanta, Ga. (weekly).
Atlantic Monthly, Boston.
*Australasian, Melbourne (daily).
Baltimore Sun, Baltimore (weekly).
Banner of Light, Boston (weekly).
Bee, Sacramento, (daily).
Berg-und-Huettenmaennische Zeitung, Leipsic (weekly).
*Berkeleyan, Berkeley, Cal. (weekly).
Bismarck Weekly Tribune, Bismarck, N. D. (weekly).
Blacksmith and Wheelwright, New York, (monthly).
Blackwood's Edinburgh Magazine, New York (monthly).
Bon Ton (le), New York (monthiy).
Bookbuyer, New York (monthly).
Bookman, New York (monthly).
Book-seller, London (monthly).
Borderland, London (quarterly).
Boston Morning Journal.
Boston Weekly Transcript.
Braithwaite's Retrospect, London (semi-annual).
*Breeder and Sportsman, San Francisco (weekly).
British Association for the Advancement of Science, Report (London).
British Chess Magazine, London (monthly).
Brooklyn Eagle, Brooklyn, N. Y. (weekly).
Buffalo Courier, Buffalo, N. Y. (weekly).
Builder, London (monthly).
Bulletin, San Francisco (daily).
*Bulletin, San Francisco (daily).
Bulletin, Sydney (weekly).
*Bureau of Statistics, Report, Washington, D. C. (quarterly).

*Presented.

*California Academy of Sciences, Bulletins, Proceedings, Papers, San Francisco.
*California Architect and Building News, San Francisco (monthly).
*California Demokrat, San Francisco (daily).
*California Fruit Grower, San Francisco (weekly).
*California Insurance Review, San Francisco (monthly).
*California Journal, San Francisco (weekly).
*California Medical Journal, San Francisco (monthly).
*California Orchard and Farm, San Francisco, Cal. (weekly).
*California Sentinel, San Francisco (monthly).
*California Turf, San Francisco (weekly).
*California Volkstreund, San Francisco (weekly).
*California Weather Service Bulletin, Sacramento (weekly).
*Californian, Bakersfield, Cal. (weekly).
*Canadian Patent Office Records, Ottawa (monthly).
*Capital, Los Angeles (weekly).
Carpentry and Building, New York (monthly).
Cassier's Magazine, New York (monthly).
Catholic World, New York (monthly).
*Central Californian, San Miguel, Cal. (weekly).
Century Illustrated Monthly Magazine, New York.
Chambers' Journal, London (monthly).
Chatauquan, Meadville, Pa. (monthly).
Chemical News, London (weekly).
Chemical Society Journal, London (monthly).
Chicago Times-Herald (daily).
Chicago Tribune (weekly).
*Chino Valley Champion, Chino, Cal. (weekly).
Christian Science Journal, Boston (monthly),
Cincinnati Gazette (weekly).
Citizen, Philadelphia (monthly).
*Citrograph, Redlands, Cal. (weekly).
*City Argus, San Francisco (weekly).
*Clear Lake Press, Lakeport, Lake Co., Cal. (weekly).
Clipper, New York (weekly).
*Cloverdale Reveille, Cloverdale, Cal. (weekly).
*Coming Nation, Tennessee City (weekly).
Commercial and Financial Chronicle, New York (weekly).
Comptes Rendus de l'Academie des Sciences, Paris (weekly).
*Congressional Record, Washington, D. C.
Contemporary Review, London (monthly).
*Contra Costa Gazette, Martinez, Cal. (weekly).
Cornhill Magazine, London (monthly).

*Presented.

*Corning Observer, Corning, Cal. (weekly).
Cosmopolitan, New York (monthly).
Courier-Journal, Louisville, Ky. (weekly).
*Cumulative Index of Periodicals, Cleveland (monthly).
*Criterion, San Francisco (weekly).
Critic, New York (weekly).
*Current History, Buffalo, N. Y. (quarterly).
Current Literature, New York (monthly).
Curtis' Botanical Magazine, London (monthly).
*Daily Colusa Sun.
*Daily Commercial News, San Francisco.
*Daily Telegraph, Sydney, N. S. W.
*Dalles Times-Mountaineer, Dalles, Oregon (weekly).
Decorator and Furnisher, New York (monthly).
Demorest's Family Magazine (monthly).
Deutsche Rundschau, Berlin (monthly).
Dial, Chicago (monthly).
Dinglers Polytechnisches Journal, Stuttgart (weekly).
Direct Legislation Record, New York (monthly).
Eclectic Magazine, New York (monthly).
Economist, London (weekly).
Edinburgh Review, London (quarterly).
Education, Boston (monthly).
Educational Review, New York (monthly).
*El Comercio, San Francisco (weekly).
Electrical Engineer, New York (weekly).
Electrical Review, London (weekly).
Electrical Review, New York (weekly).
Electrical World, New York (weekly).
Electrician, London (weekly).
*Elevator, San Francisco (weekly.)
*Elko Independent, Elko, Nevada (weekly).
*Emanu-El, San Francisco (weekly).
Engineer, London (weekly).
Engineer, New York (bi-weekly).
Engineering, London (weekly).
Engineering and Building Record and Sanitary Engineer, New York (weekly.)
Engineering and Mining Journal, New York (weekly).
Engineering Magazine, New York (monthly).
Engineering News and American Railroad Journal, New York (weekly).
English Illustrated Magazine, London (monthly).
English Mechanic and World of Science, London (weekly).

*Presented.

Erythea, Berkeley, Cal. (monthly).
*Escondido Times, Escondido, San Diego Co., Cal. (weekly).
Esoteric, Applegate, Cal. (monthly).
*Evening Post, San Francisco (daily).
Evening Star, Washington, D. C. (daily).
Examiner, San Francisco (daily).
*Examiner, San Francisco (daily).
Farmers' Tribune, Minneapolis (weekly).
Federated Institution of Mining Engineers, Transactions, London.
Field, London (weekly).
*Field, Sports, San Francisco (weekly.)
Fliegende Blatter, Munich (weekly).
*Foot Hills Weekly Tidings, Grass Valley.
Forest and Stream, New York (weekly).
Fortnightly Review, London (monthly).
Forum, New York (monthly).
Frank Leslie's Popular Monthly, New York (monthly).
Franklin Institute, Journal, Philadelphia (monthly).
Freidenker, Milwaukee (weekly).
*Fresno Republican, Fresno (daily).
Galveston Semi-weekly News, Galveston, Texas (weekly).
Garden and Forest, New York (weekly).
Gartentaube (weekly).
Gazette des Beaux-Arts, Paris (monthly).
Geographical Journal (including the proceedings of the Royal Geographical Society), London (monthly).
Geological Society, Quarterly Journal, London.
Geological Society of America, Bulletin, Rochester, N. Y. (irregular),
*Gilroy Advocate, Gilroy (weekly).
*Gilroy Gazette, Gilroy, Cal. (weekly).
Good Housekeeping, Springfield, Mass. (monthly).
Good Words, London (monthly).
Graphic, London (weekly).
*Grocer and Country Merchant, San Francisco (weekly).
Guide, San Francisco (daily).
Guy's Hospital Reports, London (annual).
Hall's Journal of Health, New York (monthly).
*Harmony, San Francisco (monthly).
Harper's Bazar, New York (weekly).
Harper's Monthly Magazine, New York.
Harper's Round Table, New York (weekly).
Harper's Weekly, New York.
Harvard University Bulletin, Cambridge (irregular).

*Presented.

*Hebrew, San Francisco (weekly).
Helena Weekly Herald, Helena, Montana.
Home and Country, New York (monthly).
Horseless Age, New York (monthly).
Horseman, Chicago (weekly).
Hub, New York (monthly.)
*Human Nature, San Francisco (monthly).
Ice and Refrigeration, Chicago (monthly).
Illustrated American, New York (weekly).
Illustrated London News, London (weekly).
Illustrated London News, New York (weekly).
*Illustrated Official Journal (Patents) London (monthly).
Illustration ('1), Paris (weekly).
*Imports and Exports, Summary, Washington D. C. (monthly).
Independent, New York (weekly).
Industries and Iron, London (weekly).
Inland Architect, Chicago (monthly).
Inland Printer, Chicago (monthly).
Institution of Civil Engineers, Proceedings, London.
Institution of Mechanical Engineers, Proceedings, London (quarterly).
Institution of Naval Architects, Transactions, London (bi-monthly).
*Insignia, San Francisco (monthly).
*Insurance Times, New York (monthly).
*Invention, London (monthly).
Iron Age, New York (weekly).
Iron and Steel Institute, Journal (biennial).
Irrigation Age, Chicago (monthly).
*Japanese American Voice, San Francisco (monthly).
*Jewish Progress, San Francisco (weekly).
*Jewish Times, San Francisco (weekly).
Johns Hopkins University Studies, Baltimore.
*Johns Hopkins University Circulars, Baltimore (monthly).
Journal of Geology, Chicago (semi-quarterly).
Journal of Political Economy, Chicago (quarterly).
Journal of the Western Society of Engineers, Chicago (bi-monthly).
Judge, New York (weekly).
*Kern Standard, Kern City (weekly).
Ladies' Home Journal, Philadelphia (monthly).
*Lake County Bee, Lakeport, Cal, (weekly).
Lancet, London (weekly).
*Lassen Advocate, Susanville, Cal. (weekly).
*L. A. W. Bulletin, Chicago (weekly).
Le Charme, Paris (monthly).

*Presented.

Lend a Hand, Boston (monthly).
Leslie's Weekly Illustrated (New York).
Liberty, Chicago (weekly).
Library Journal, New York (monthly).
Life, New York (weekly).
Lippincott's Magazine, Philadelphia (monthly).
Literary Digest, New York (weekly).
Literary News, New York (monthly).
Literary World, Boston (fortnightly).
Littell's Living Age, Boston (weekly).
Longman's Magazine, London (monthly).
*Los Angeles Saturday Times, Weekly Mirror, Los Angeles, Cal., (weekly).
Los Angeles Times, Los Angeles (daily).
Lucifer, London (monthly).
*Manufacturers' and Producers', San Francisco (monthly).
*Machinery Market and Exporter, London (irregular).
Macmillan's Magazine, New York (monthly).
McClure's Magazine, New York (monthly).
*Mekeel's Weekly Stamp News, St. Louis, Mo. (weekly).
*Mail of Woodland, Woodland, Cal. (daily).
Manufacturer and Builder, New York (monthly).
*Manufacturer and Herald of Trade, San Francisco (weekly).
Marine Engineer, London (monthly).
*Marysville Daily Appeal, Marysville, Cal.
Medical News, Philadelphia (weekly).
Medico-Chirurgical Transactions, London.
*Mendocino Beacon, Mendocino, Cal. (weekly).
Mining and Electrical Review, San Francisco (monthly).
*Mining and Scientific Press, San Francisco (weekly).
Mining Journal, London (weekly).
*Mission Journal, San Francisco (weekly).
Mode Illustrée, London (monthly).
Monist, Chicago (quarterly).
Modern Art, Boston (quarterly).
*Monitor, San Francisco (weekly).
Monthly Bulletin, Providence Public Library, Providence (monthly).
*Monthly Weather Reports, Washington, D. C.
Morning Call, San Francisco (daily).
Morning Oregonian, Portland, Or.
Munsey's Magazine, New York (monthly).
Musical Courier, New York (weekly).
*Napa Register, Napa, Cal. (weekly).

*Presented.

Nation, New York (weekly).
National Car and Locomotive Builder, New York (monthly).
*Nation, San Francisco (weekly).
National Single Taxer, Minneapolis (weekly).
*Natural Food, London (monthly).
Nature, London (weekly).
*New Age, San Francisco (monthly).
New England Historical and Geneological Register, Boston (quarterly).
New England Magazine, Boston (monthly).
New Mexican Review, Santa Fé (weekly).
New Science Review, New York (quarterly).
New York Herald (daily).
New York Journal (daily).
New York Ledger (weekly).
New York Sun (weekly).
New York Times (daily).
New York Tribune (daily).
New York World (daily).
*News Letter, San Francisco (weekly).
Nineteenth Century (New York edition) (monthly).
Nineteenth Century, London (monthly).
North American Review, New York (monthly).
Northwestern Lumberman, Chicago (weekly).
Notes and Queries, London (weekly).
*Oarauto, Haywards (weekly).
*Oakland Daily Evening Tribune, Oakland, Cal.
*Occident, Berkeley, Cal. (weekly).
*Official Gazette of the Patent Office, Washington, D. C.
*Official Journal of the Patent Office, London.
*Olympic, San Francisco (weekly).
Open Court, Chicago (weekly).
Orange Judd, Farmer, New York and Chicago (weekly).
*Oregon State Journal, Eugene, Or. (weekly).
*Oroville Register, Oroville, Cal. (weekly).
Outing, New York (monthly).
Outlook, New York (weekly).
Overland Monthly, San Francisco.
*Pacific American, San Francisco (monthly).
*Pacific Calendar and Catholic Church Bulletin, San Francisco (monthly).
*Pacific Churchman, San Francisco (semi-monthly).
*Pacific Health Journal, Oakland (monthly).
Pacific Electrician, San Francisco (monthly).
*Pacific Medical Journal, San Francisco (monthly).

*Presented.

*Pacific Northwest, Portland (monthly).
*Pacific Rural Press, San Francisco (weekly).
*Pacific Town Talk, San Francisco (weekly).
*Pacific Union Printer, San Francisco (monthly).
Pall Mall Magazine, London (monthly).
*Paradise of the Pacific, Honolulu (irregular).
Pathfinder, Washington (weekly).
Pathological Society of London, Transactions.
*Petaluma Weekly Budget, Petaluma (weekly).
Peterson's Magazine, Philadelphia (monthly).
*Penny Press, Santa Cruz (daily).
*Philatelic Californian, San Francisco (monthly).
Philosophical Review, Boston (bi-monthly).
Phrenological Journal, New York (monthly).
Picayune, New Orleans (weekly).
*Placer Argus, Auburn, Cal. (weekly).
*Placer Herald, Auburn, Cal. (weekly).
*Plumas National Bulletin, Quincy, Cal. (weekly).
Political Science Quarterly, New York.
Popular Science Monthly, New York.
Popular Science News, Boston (monthly).
Portfolio, London (monthly).
Portland Transcript, Portland, Me. (weekly).
Power, New York (monthly).
*Press and Horticulturist, Riverside, Cal. (weekly).
Public Libraries.
Public Opinion, Washington, D. C. (weekly).
Publishers' Weekly, New York.
Puck, New York (weekly).
Punch, London (weekly).
Quarterly Journal of Economics, Boston.
Quarterly Journal of the Microscopical Science, London.
Quarterly Review, New York.
*Queensland Government Gazette, New Zealand (irregular).
Railroad Gazette, New York (weekly.)
*Record, Larkspur (weekly).
*Redwood City Democrat, Redwood, Cal. (weekly).
*Red Bluff News, Red Bluff (weekly).
Republic, St. Louis (weekly).
Republic, Washington (weekly).
Review of Reviews, (New York edition) (monthly).
*Revista Hispaño-Americana, San Francisco (monthly).
Revue de la Mode, Paris (monthly).

*Presented.

Revue des Deux Mondes, Paris (monthly).
Rocky Mountain News, Denver, Col. (weekly).
Royal Agricultural Society, Journal, London.
Royal Astronomical Society, Memoirs, London.
Royal Society, Philosophical Transactions, London.
Royal Society, Proceedings, London.
Royal United Service Institution, Journal, London.
Sacramento Daily Record Union, Sacramento, Cal.
*St. Helena Star, St. Helena, Cal. (weekly).
St. Nicholas, New York (monthly).
*Salinas Weekly Index, Salinas, Cal.
Salt Lake Tribune, Salt Lake (weekly).
*San Diego Sun, San Diego, Cal. (daily).
San Francisco Abend-Post (daily).
San Francisco Chronicle (daily).
*San Francisco Chronicle (daily).
San Francisco Daily Report.
*San Francisco Daily Report (daily).
San Franciseo Hotel Gazette (weekly).
*San Francisco Hotel Gazette (weekly).
*San Francisco Journal of Commerce, (weekly).
Sanitarian, New York (monthly).
*San Jose Herald (daily).
*San Jose Weekly Mercury.
*San Luis Obispo Tribune, San Luis Obispo, Cal. (weekly).
*San Miguel Messenger, San Miguel (weekly).
*Santa Clara Magazine, San Jose. (monthly).
*Santa Cruz Surf, Santa Cruz, Cal. (weekly).
*Sausalito News, Sausalito, Cal, (weekly).
Saturday Review, London (weekly).
School of Mines Quarterly, New York.
Science Gossip, London (monthly).
Scientific American, New York (weekly).
Scientific American Supplement, New York (weekly).
Scientific American, Builder edition, New York (weekly).
Scribner's Magazine, New York (monthly).
Season, New York (monthly).
Seattle Post Intelligencer, Seattle (daily).
*Seismological Journal of Japan, Yokohama.
*Sequoia, Palo Alto (weekly).
Shoppell's Modern Houses, New York (quarterly).
*Shorthand Educator, Brooklyn, N. Y. (monthly).
Short Stories, New York (monthly).

*Presented.

*Smithsonian Miscellaneous Collections, Washington, D. C.
Société Chimique de Paris, Bulletin, Paris (semi-monthly).
Société Industrielle de Mulhouse, Bulletin, Paris (monthly).
Society of Chemical Industry, Journal, London (monthly).
Society of Engineers' Transactions, London.
*Specifications of Inventions, London.
*Specifications and Drawings of Patents, Washington, D. C.
Spectator, London (weekly).
Spirit of the Times, New York (weekly).
Spokesman of the Carriage, Harness and Implement Trades, Cincinnati (monthly).
Springfield Weekly Republican, Springfield, Mass. (weekly).
*Star, San Francisco (weekly).
*State Mining Journal, San Francisco (monthly).
Statistical Society, Journal, London.
Stockton Independent, Stockton, Cal. (daily).
Steamship, London (monthly).
Street Railway Journal, New York (monthly).
Sugar Beet (monthly).
*Sunday Press, Albany, N. Y. (weekly).
*Students' Journal, New York (monthly).
*Sydney Morning Herald, Sydney.
*Technical Society of the Pacific Coast, Transactions, San Francisco (monthly).
*Techniker Der, Philadelphia (monthly).
Times, Philadelphia (daily).
Times, London (daily).
Toronto Globe, Toronto, Canada (weekly).
Torrey Botanical Club, Bulletin, New York (monthly).
*Traveller's Record, Hartford (monthly).
*Traveller, San Francisco (monthly).
Twentieth Century, New York (weekly).
Truth, London (weekly).
United Service, Philadelphia (monthly).
*United States Consular Reports, Washington, D. C.
*United States Government Publications, Monthly Catalogue, Washington, D. C.
University California Magazine, Berkeley (monthly).
United States Naval Institute, Proceedings, Annapolis (quarterly).
*Vancouver Independent, Vancouver (weekly).
*Victoria Weekly Colonist, Victoria, B. C.
Virginia City Chronicle, Virginia, Nev. (daily).
Vogue, New York (weekly).

*Presented.

Voice, New York (weekly).
*Voice of Labor, San Francisco (weekly).
Washington Post, Washington, D. C. (daily).
Wasp, San Francisco (weekly).
*Wasp, San Francisco (weekly).
Wave, San Francisco (weekly).
Weekly Commercial Gazette, Pittsburgh.
*Weekly Colusa Sun, Colusa, Cal.
*Weekly Galt Gazette, Galt, Cal.
Weekly Globe Democrat, St. Louis.
*Weekly Independent, Elko, Nev.
*Weekly People's Cause, Red Bluff, Cal.
Weekly Register, Mobile, Ala.
Weekly Scotsman, Edinburgh.
Weekly Tulare Register, Tulare.
Western Journal of Education, San Francisco (monthly).
Westminster Review, (New York ed.) (monthly).
Wilson's Photographic Magazine, New York (monthly).
*Wood and Iron, San Francisco (monthly).
Woman's World and Jenness-Miller Magazine, New York (monthly).
Yale Review, Boston (quarterly).
Youth's Companion, Boston (weekly).
*Yreka Journal, Yreka, Cal. (weekly).
Zeitschrift Fur Das Berg-Hutten-und Salienenwesen in Preussichen Staate, Berlin (quarterly).

*Presented.

ANNUAL MEETING.

The annual meeting of the Mechanics Institute was held in the rooms of the Institute, Saturday evening, March 6, 1897.

The meeting was called to order at 8 o'clock by President Denicke, and after the reading of the minutes of the last meeting, reports from the Librarian, Secretary and President, and the transaction of other business, the following report from the Judges of Election was presented:

SAN FRANCISCO, March 2d, 1897.

To the Board of Trustees of the Mechanics' Institute:

GENTLEMEN.—We, your Judges appointed to supervise the election of Trustees held on February 23d last, report as follows:

The election was held on that day in due and regular form, the polls being open from 11 A. M. to 9 P. M. There were 968 votes cast, and upon their being counted, the following named candidates were found to be elected: Ernst A. Denicke, Ferdinand Formhals, Rodney Kendrick, John McLaren, R. W. Neal, Chas M. Plum, Jr., Horace Wilson.

HENRY L. DAVIS,
ALFRED CRIDGE,
WM. LOCKWOOD PEET,
Judges of Election.

On motion, the report was received and approved. No further business appearing, the Chair announced that the next order of business would be the installation of the Trustees elect, by the committee appointed for that purpose, Samuel J. Hendy, Irving M. Scott and George Cumming. In the absence of Messrs. Scott and Cumming, the Chair appointed Messrs. James H. Barry and J. Saulman to assist Mr. Hendy. The Installing Committee then requested the Trustees elect, viz: Ernst A. Denicke, Ferdinand Formhals, Rodney Kendrick, John McLaren, R. W. Neal, Chas. M. Plum, Jr., and Horace Wilson, to take position in front, which they did. The Committee then administered the oath of office, which all the Trustees elect took and subscribed to, in accordance with the Constitution, whereon they were declared duly elected and installed Trustees of the Mechanics' Institute.

The meeting then adjourned.

ORGANIZATION OF THE BOARD OF TRUSTEES.

Immediately on adjournment of the annual meeting, the Trustees met and elected the following officers:

President	ERNST A. DENICKE
Vice-President	RODNEY KENDRICK
Recording Secretary	E. P. HEALD
Corresponding Secretary	P. J. HEALY
Treasurer	FIRST NATIONAL BANK